

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 1.28**WELDING INSPECTION REPORT****Resident Engineer:** Casey, William**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-030097**Date Inspected:** 24-Sep-2013**Project Name:** SAS Superstructure**OSM Arrival Time:** 730**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1600**Contractor:** American Bridge/Fluor Enterprises, a JV**Location:** S.A.S. Job site**CWI Name:** N / A**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** S.A.S. Structure**Summary of Items Observed:**

The Caltrans Quality Assurance Inspector (QAI), Scott Croff, was present at the Self Anchored Span (SAS) job site to observe the scheduled fabrication of the SFOBB project.

The QAI was tasked with the installation of the Structural Health Monitoring (SHM) systems that are being placed onto the SFOBB structures. The accessible equipment and the operating conditions were monitored / verified.

The QAI was informed by the Quality Control Inspector (QCI) Salvador Merino, that E2 retrofit saddle 10C is at the pier 7 warehouse. The QAI was informed that there are shop welded repairs that did not receive final inspection and will be inspected. The QAI noted that there are 6 locations detailed to have inspection. The primer was removed in those areas. The QAI witnessed Magnetic Particle Testing (MT) of these locations by the QC. The QAI was informed that there were indications observed. The QAI was informed that temporary mounting / lifting brackets will be fit-up and welded onto the saddle. The QAI reviewed the ABF drawing available and noted that the brackets will be fillet welded. The QAI noted that this work will be monitored by the QCI. The QAI later observed Shielded Metal Arc Welding (SMAW) being used by Richard Garcia and Richard Chounard. The QCI informed the QAI that welding is in conformance with Welding Procedure Specification (WPS) ABF-WPS-D1.5-F1200A. The QAI verified the work in progress. This work was in progress at the end of the shift. See the attached photos.

The QAI reviewed contract documents and assisted the Structural Materials Representatives (SMRs) with pending contract documents at pier 7. The QAI used the welding report submittals and welding report packages to cross reference the welding and inspection status as reported by ABF, along with QA records to identify the overall

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status of work reported as complete and in progress. The QAI also continued reviewing the contractor's welding report packages for conformance with the contract requirements. This work was in progress at the end of the shift.



### Summary of Conversations:

The QAI relayed the status of the report reviews and work in progress to the Structural Materials Representative Aaron Prchlik. There were no other notable conversations.

### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Gary Thomas, (916) 764-6027, who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Croff, Scott	Quality Assurance Inspector
<b>Reviewed By:</b>	Riley, Ken	QA Reviewer

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